```
Trying 81400...Open

PLEASE ENTER HOST PORT ID:
INVALID PORT POOL ID ENTERED
PLEASE REENTER HOST PORT ID:x
LOGINID:d232mbg
PASSWORD:
TERMINAL (ENTER 1, 2, 3, 4, OR ?):3
```

```
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
*                                                                *
*            Welcome to MESSENGER (APS Text) at USPTO            *
*                                                                *
*                                                                *
*    The USPTO production files are current through:             *
*    15 JUL 1997 for U.S. Patent Text Data.                      *
*    15 JUL 1997 for U.S. Current Classification data.           *
*    15 JUL 1997 for U.S. Patent Image Data.                     *
*                                                                *
*       * PLEASE USE 305-9000 FOR NEW TELEPHONE NUMBER *         *
*                                                                *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
* U.S. patents from 1970 will be available in a new USOCR file*
* some time this summer.  Currently, when you display some       *
* records in USPAT, you may get a message that "TEXT DATA FOR *
* PATENT n,nnn,nnn IS AVAILABLE IN USOCR."  If you attempt to *
* enter the file, however, you get a message that access to      *
* this file is not authorized.  Until USOCR is available, you *
* will still find pre-1971 patents in the image system, in       *
* the shoes, or on microfilm.  Thank you.                        *
*                                                                *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
*  DISCLAIMER:                                                   *
*  Neither the United States Government, nor any agency          *
*  thereof, nor any of their contractors, subcontractors or      *
*  employees make any warranty, expressed or implied,           *
*  including any warranty of marketability of fitness for a      *
*  particular purpose; nor assumes any legal liability or        *
*  responsibility for any party's use, or the results of         *
*  such, of the data.                                            *
*                                                                *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
*               Help Desk --> 703-305-9000                      *
*                                                                *
*    The Help Desk is staffed for APS support 7 days/week.      *
*       Monday through Friday:      6:30am - 9:00pm             *
*       Saturday, Sunday, Holidays: 8:30am - 5:00 pm            *
*                                                                *
*    The Help Desk staff at this number will handle all APS     *
*    related questions.                                          *
*                                                                *
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
*                                                                *
*    >>>>>>>>>>>> NEW SUNDAY HOURS ]]] <<<<<<<<<<<<<            *
*                                                                *
*    The APS is available:                                       *
*            6:30am - 9:00pm Monday through Friday              *
*            7:30am - 5:00pm Saturday, Sunday, Holidays         *
*                                                                *
```

```
     *          APS is unavailable Thanksgiving Day, Christmas Day,      *
     *          and New Year  Day.                                       *
     *                                                                   *
     * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
FILE 'USPAT' ENTERED AT 10:44:34 ON 23 JUL 1997

     * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
     *              W E L C O M E    T O    T H E                        *
     *          U. S.  P A T E N T   T E X T   F I L E                   *
     * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

=> s (execut? or activat?)(program or process or shell
MISSING OPERATOR 'ACTIVAT?)(PROGRAM'

=> s (execut? or activat?)(program or process or shell or script)
MISSING OPERATOR 'ACTIVAT?)(PROGRAM'
YOU HAVE RECEIVED THIS ERROR MESSAGE  2 CONSECUTIVE TIMES
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.
IF YOU REQUIRE FURTHER HELP, PLEASE CONTACT YOUR LOCAL HELP DESK
=> s (execut? or activat?)(10a)(program or process or shell or script)
          117069 EXECUT?
          344886 ACTIVAT?
          136411 PROGRAM
          921102 PROCESS
          108949 SHELL
            1978 SCRIPT
L1         57165 (EXECUT? OR ACTIVAT?)(10A)(PROGRAM OR PROCESS OR SHELL OR S
CRI
                 PT)                .

=> s l1(20a)(email or e mail)
              87 EMAIL
         1264728 E
            7829 MAIL
             342 E MAIL
                 (E(W)MAIL)
L2               4 L1(20A)(EMAIL OR E MAIL)

=> d 1-4

1.  5,647,002, Jul. 8, 1997, Synchronization of mailboxes of different
types; Gordon Richards Brunson, 380/49; 379/67, 88, 93.24, 201; 380/48,
50 :IMAGE AVAILABLE:

2.  5,619,684, Apr. 8, 1997, Method and apparatus for consistent user
interface in a multiple application personal communications device; Julie
F. Goodwin, et al., 395/500 :IMAGE AVAILABLE:

3.  5,530,740, Jun. 25, 1996, System and method for integrating voice,
facsimile and electronic mail data through a personal computer; Roberto
Irribarren, et al., 379/89, 67, 94, 100, 212 :IMAGE AVAILABLE:

4.  5,461,488, Oct. 24, 1995, Computerized facsimile (FAX) system and
method of operation; Keith E. Witek, 358/402, 407, 440, 442, 444;
395/182.13, 492, 500, 605, 753 :IMAGE AVAILABLE:

=> s l1(20a)(email or mail or e mail or electronic mail)
              87 EMAIL
            7829 MAIL
         1264728 E
            7829 MAIL
             342 E MAIL
                 (E(W)MAIL)
          243295 ELECTRONIC
```

```
            7829 MAIL
            1020 ELECTR   IC MAIL
                 (ELE   RONIC(W)MAIL)
L3              93 L1(20A)(EMAIL OR MAIL OR E MAIL OR ELECTRONIC MAIL)

=> s 13(50a)(status or report)
         65953 STATUS
         37911 REPORT
L4             3 L3(50A)(STATUS OR REPORT)

=> d 1-3
```

1. 5,613,135, Mar. 18, 1997, Portable computer having dedicated register
group and peripheral controller bus between system bus and peripheral
controller; Makoto Sakai, et al., 395/800; 364/234, 234.4, 928, 928.6,
DIG.1, DIG.2; 395/887 :IMAGE AVAILABLE:

2. 5,557,736, Sep. 17, 1996, Computer system and job transfer method
using electronic mail system; Toshio Hirosawa, et al., 395/182.02,
183.17, 185.09, 185.1 :IMAGE AVAILABLE:

3. 5,001,648, Mar. 19, 1991, Method and apparatus for a mail processing
system; Christopher A. Baker, 364/464.17; 177/4, 25.15; 364/464.18 :IMAGE
AVAILABLE:

```
=> d 1-2 fd,rel,as
```

US PAT NO:	5,613,135 :IMAGE AVAILABLE:	L4: 1 of 3
DATE FILED:	Aug. 16, 1993	
ASSIGNEE:	Kabushiki Kaisha Toshiba, Kanagawa-ken, Japan (foreign corp.)	

US PAT NO:	5,557,736 :IMAGE AVAILABLE:	L4: 2 of 3
DATE FILED:	Jan. 21, 1994	
REL-US-DATA:	Continuation-in-part of Ser. No. 31,729, Mar. 15, 1993, and Ser. No. 149,553, Nov. 9, 1993.	
ASSIGNEE:	Hitachi Electronics Services Co., Ltd., Tokyo, Japan (foreign corp.) Hitachi, Ltd., Kanagawa, Japan (foreign corp.) Hitachi Software Engineering Co., Ltd., Tokyo, Japan (foreign corp.)	

```
=> d 1-3 ab,kwic
```

US PAT NO:	5,613,135 :IMAGE AVAILABLE:	L4: 1 of 3

ABSTRACT:
Dedicated registers are arranged in a status LCD control gate array
connected to a system bus, and the dedicated registers or register group
and a keyboard controller are connected through a keyboard interface bus.
The keyboard controller has two ports for communicating with a CPU. The
keyboard controller transfers existing commands released to an
application program or the like and transmits normal key data through the
system bus. The keyboard controller transmits hot key data and transfers
a command for realizing any other special function through the keyboard
interface bus and the dedicated registers.

DETDESC:

DETD(376)

 The ninth embodiment of the present invention will be described below.
In this embodiment, whether an **electronic mail** has been received
can be automatically displayed without adversely affecting **execution**
of an application **program** or the like. More specifically, when an

electronic mail to this portable computer is received by a
mail server on a LAN, ● mail reception status signal ● sent from
this server to the communication board of the computer. In this state, a
CPU interrupt is. . . I/O controller to start a communication driver
program residing in the system memory. A CPU 21 reads the mail reception
status signal from the communication board in accordance with this
program. When the CPU 21 detects that a valid mail has been received, the
CPU 21 calls the BIOS in a BIOS-ROM. The CPU 21 sets the mail icon ON
on a status LCD through a status LCD control gate array and
returns control to the application program under execution.

DETDESC:

DETD(385)

when the communication board 32 detects a mail reception status
signal from the mail server and an interrupt is sent from the I/O
controller 22 to the CPU 21 during execution of the DOS or
application program, the CPU 21 executes the communication driver
program residing in the system memory 23, as shown in the flow chart. .

DETDESC:

DETD(389)

The ON state of the mail icon (MI) R7 on the status LCD 44 makes the
user know that an electronic mail has been received even if the
portable computer in FIG. 54 is executing the DOS or application
program and its execution states are displayed on an LCD panel 49
(without interrupting the DOS or application program under
execution or performing a special operation such as mail
program running).

US PAT NO: 5,557,736 :IMAGE AVAILABLE: L4: 2 of 3

ABSTRACT:
In an electronic mail associated type computer system network equipped
with a computer system for executing a job and a general-purpose
electronic mail system, a user of an electronic mail can freely recognize
a condition of an execution result of a job performed in the computer
system and a job execution result. Also, these results are available from
a desired output device for the user. When a mail processing unit
employed in the computer system analyzes a mail statement about the job
execution derived from the electronic mail system, and the job execution
is completed, this mail processing unit sends to the electronic mail
system, such a mail statement for the completion of the job execution
containing information about fail/safe execution result. Upon receipt of
this report, the user designates the output device into a response mail
so as to output the job execution result from the designated output
device.

DETDESC:

DETD(5)

On the other hand, under the electronic mail system 2, an electronic
mail engine 15 for realizing an electronic mail function, a
program 16 for processing a job reception report, and a file transfer
processing program 17 for transferring a mail statement and a job
execution result list are operated. Further, reference numeral 20B
shows a file connected to a main body of the electronic mail
system, and reference numeral 20C indicates a file connected to the
electronic mail terminal 5.

DETDESC:

DETD(28)

 The **mail** processing **program** 13 produces the job **execution**
state **mail** statement 30. At this time, the value of the **report**
flag 30b (see FIG. 4) is determined based on the value of the **report**
flag 29b (see FIG. 2). Subsequently, the job execution state mail
statement 30 is returned to the electronic mail system.   .   .

US PAT NO: 5,001,648 :IMAGE AVAILABLE: L4: 3 of 3

ABSTRACT:
Mail handling or processing systems are disclosed wherein the entire lot
or batch of mail pieces is loaded into a bin for processing. Each mail
piece is individually removed by an operator while the computer monitors
the weight of the bin and simultaneously produces serial numbers for
affixing to each mail piece. In an alternative embodiment a postage meter
provides postage imprinting and labelling for each mail piece removed. By
monitoring the tare weight difference of the bin prior to and after
removal of each mail piece, the mail piece weight is determined from the
difference between the two tare weights. The weight of each mail piece is
required in order to determine postage cost or mail charges for each mail
piece.
After all pieces of mail are removed from the bin, an operator can
optionally key the system to produce a postal service form complying with
manifest mailing requirements. The computer also produces a manifest
including serial numbers and mail charges related to each serial number
marked mail piece and a manifest summary.
In an alternate embodiment, the bin is loaded one by one with each mail
piece while a computer simultaneously monitors the weight of the bin as
each mail piece is added, serial numbers are produced for affixing to
each mail piece, and the computer links each serial number with a weight
deviation thereby calculating mail charges for each mail piece and
storing the information for reproduction in summary form in a mailing
manifest.

DETDESC:

DETD(13)

 If . . . processing. When an end processing request is received at
step 162, program execution continues with step 164 where a transaction
report is tallied. Thereafter the first class manifest is printed at
printer 20 at step 166 and form 3602 (specified by the postal service) is
also printed. After step 166, **program execution** continues at step
168 where a priority **mail** manifest is printed and form 3605 (Postal
Service form) is printed at printer 20. After step 168, the **program
execution** returns to step 104. If at step 162 an end key is not
detected, program execution will continue with step.   .   .

DETDESC:

DETD(33)

 Referring . . . message byte has been received over the postage meter
interface 519 from the postage meter (or interface device). Until a
status message is received indicating the meter 520 is ready to
imprint another **mail** piece, **program execution** loops on itself
at step 650. Once the **status** message has been received indicating
that an imprint has occurred, program execution returns to the calling
routine. (Program execution continues.   .   .

=> d his

```
      (FILE 'USPAT' ENTERED AT 10:44:34 ON 23 JUL 1997)
L1        57165 S  (EX   T? OR ACTIVAT?)(10A)(PROGRAM    PROCESS OR SHELL O
R S
L2            4 S  L1(20A)(EMAIL OR E MAIL)
L3           93 S  L1(20A)(EMAIL OR MAIL OR E MAIL OR ELECTRONIC MAIL)
L4            3 S  L3(50A)(STATUS OR REPORT)
```